Place this chapter in the Ovens section of the *Equipment Manual*.

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WARRANTY
See the enclosed warranty card for details.

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IMPORTANT SAFETY INSTRUCTIONS

⚠ Recognize this symbol as a SAFETY message

⚠WARNING

WHEN USING ELECTRICAL APPLIANCES, THESE BASIC SAFETY PRECAUTIONS SHOULD BE FOLLOWED TO REDUCE THE RISK OF BURNS, ELECTRICAL SHOCK, EXPOSURE TO EXCESSIVE MICROWAVE ENERGY, FIRE, DEATH, INJURY TO PERSONS OR PROPERTY DAMAGE.

1. READ all instructions before using this appliance.
2. READ AND FOLLOW specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY." (See page 3)
3. USE this appliance ONLY for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
4. Closely SUPERVISE any use by CHILDREN.
5. This appliance MUST BE GROUNDED! Connect only to a properly grounded outlet. See "GROUNDING INSTRUCTIONS." (See page 4)
6. Keep this appliance and cord AWAY from HEATED surfaces.
7. Read and follow "door surface cleaning" instructions. (See "Close" on page 6)
8. Install or locate this appliance in accordance with the provided installation instructions.
9. DO NOT immerse cord or plug in water.
10. DO NOT let cord hang over edge of table or counter.
11. DO NOT cover or block any openings on this appliance.
12. DO NOT store this appliance outdoors. DO NOT use this product near water — for example, near a kitchen sink, in a wet basement, or near a swimming pool, and the like.
13. DO NOT heat whole eggs or sealed containers — for example closed jars — they may explode.
14. DO NOT use this appliance for canning, deep fat frying, or heating baby bottles.
15. DO NOT operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.

TO REDUCE THE RISK OF FIRE IN THE OVEN CAVITY:

a. DO NOT OVERCOOK FOOD. Carefully attend the appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.

b. REMOVE WIRE TWIST-TIES from paper or plastic bags BEFORE placing the bag in the oven.

c. If materials inside the oven smoke or ignite, keep the oven door closed, turn the oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker. IF THE DOOR IS OPENED, THE FIRE MAY SPREAD!

d. DO NOT use the cavity for storage purposes. DO NOT leave paper products, cooking utensils, or food in the cavity when not in use.

THIS APPLIANCE MUST BE SERVICED ONLY BY QUALIFIED SERVICE PERSONNEL. CONTACT YOUR NEAREST AUTHORIZED SERVICE FACILITY FOR EXAMINATION, REPAIR OR ADJUSTMENT.

SAVE THESE INSTRUCTIONS

Read and Follow These Rules for Safe Operation.
This microwave oven is designed to be safe and reliable. As with all appliances, there are certain rules to follow. Make sure everyone who cooks with this oven is familiar with this product's operation and with these precautions.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) **DO NOT** attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) **DO NOT** place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) **DO NOT** operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damge to the: (1) Door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.

(d) The oven should **NOT** be adjusted or repaired by anyone except properly qualified service personnel.

⚠ CAUTIONS

(a) **Do not operate the oven when door seal is damaged,** to do so could allow microwave energy to escape.

(b) **Extreme overcooking** can cause the food to smoke or possibly ignite. If this happens; keep door closed, disconnect the power cord, or shut off power at the fuse or circuit breaker.
- DO NOT OPEN THE DOOR
- TURN THE OVEN OFF BY PUSHING RESET
- DISCONNECT THE POWER CORD
- SHUT OFF THE POWER AT FUSE OR CIRCUIT BREAKER PANEL

(c) ⚠ **WARNING: To prevent spontaneous boiling (eruption),** liquids must be briskly stirred or poured (to mix in air) before being heatd in a microwave oven. **DO NOT OVERHEAT.** If air is not mixed into a liquid, the liquid can erupt in the oven or after removal from the oven.

(d) **Eggs** must **NOT** be cooked or reheated in the shell, or with an unbroken yolk, since this may result in a pressure bulid-up and eruption. Pierce the yolk with a fork or knife before cooking. Do **NOT** reheat previously cooked eggs in the microwave unless finely chopped or scrambled.

(e) **Deep fat frying** must **NOT** be done in any microwave oven. The fat could overheat and be hazardous to handle.

(f) ⚠ **WARNING: Do not heat sealed containers in any microwave oven.** Containers with restricted openings such as syrup bottles must **NOT** be used for cooking. Food or liquid could expand quickly and cause the container to break.

(g) **Regular cooking thermometers** must **NOT** be used in a microwave oven. Most cooking thermometers contain mercury and may cause "arcing", malfunction, and/or damage to the oven.

(h) **Plastic bags (and other air-tight containers)** must always be pierced or opened before heating in a microwave oven. This is needed to allow steam to escape during cooking.

(i) **Newspapers** must **NEVER** be used in a microwave oven since they may ignite.

(j) **Paper towels** which contain nylon or other synthetic fibers woven through them must **NOT** be used because the heated synthetics could melt and cause the paper to ignite.

(k) **Use only popcorn in packages designed and labeled for microwave use.** Pop according to package directions, beginning with the **MINIMUM** amount of time recommended. Pop until bag has expanded and there are one to two seconds between pops. Popcorn yields may vary. Do **NOT** continue to heat after popping has stopped, since popcorn will scorch or burn. Do **NOT** leave oven unattended. Use caution when handling the hot popcorn bag.

(l) **Pot Holders** may be needed when cooking by microwave. Containers can become hot when heat is transferred from cooked food.

(m) **DO NOT USE METAL UTENSILS** when heating in the microwave oven, except when recommended by microwave food manufacturers. You can heat food in containers made of glass, plastic, paper, or china.

INTRODUCTION

The Amana oven uses microwave technology to restore the heat which is lost in the assembly of menu items. This unit may also be used in the preparation of specific ingredients or components of a menu item.

Each unit is equipped with a pre-programmed control panel that allows the crew person to begin the heating process based on the menu item and quantity of that item.

Hazard Communication Standard (HCS) — The Procedure(s) in this chapter include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviation (HCS). See the Hazard Communication Standard (HCS) Manual for the appropriate Material Safety Data Sheet(s) (MSDS).

INSTALLATION INSTRUCTIONS

Unpacking the Oven

Carefully remove the oven from the shipping carton. Remove all tape, paper and plastic wrapping from the outer case. Inspect the oven for any damage such as dents in the door or inside the oven cavity. Any damage should be reported immediately to Amana at the phone number listed on the front cover of this manual.

Electrical Supply/Power Cord Set Up

The oven must be connected to a grounded circuit. Each oven should have its own separate 20A/250V circuit breaker. Do not use a two-prong adapter or any extension cord. Measure the supply voltage and match it with the voltage selector plug on the back of the oven, next to the power cord. (See Figure 1)

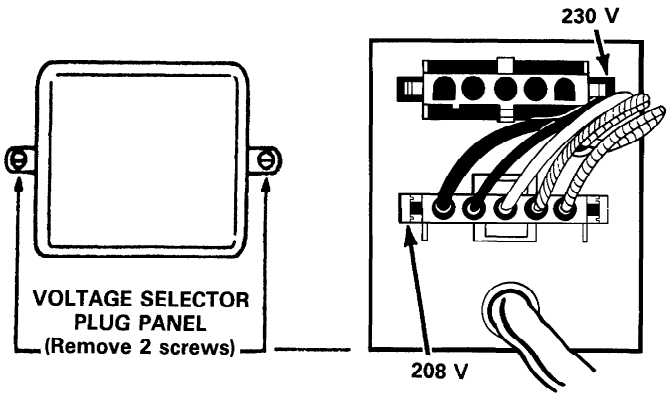


Figure 1

WARNING: IMPROPER USE OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRICAL SHOCK OR DEATH.

Grounding Instructions

CAUTION: DO NOT UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE ROUND GROUNDING PRONG FROM THE PLUG OR BEND THE POWER PRONGS TO FIT A RECEPTACLE OTHER THAN THE ONE REQUIRED FOR YOUR OVEN. SUCH ABUSE OF THE PLUG CAN RESULT IN ELECTRICAL SHOCKS OR OVERHEATING.

Consult a qualified electrician if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

Oven Placement

DO NOT install the oven next to or above a source of heat, such as a pizza oven or deep fat fryer. To do so could cause the oven to operate improperly and could shorten the life of the electrical parts. Two ovens can be stacked, one on top of the other. Two stacking brackets are required to properly secure the ovens. One bracket is included with every oven. To install the stacking brackets, refer to the non-scheduled maintenance section of this manual.

Microwave Power

Model MC2000MPP is rated at 2000 watts of microwave power per two liter test. These units are rated at 2100 watts per the IEC 705 test.

Radio Interference

- Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
- When there is interference, it may be reduced or eliminated by taking the following precautions:

1. Clean door and sealing surfaces of the oven. (See "Care and Maintenance" section.)
2. Place the radio, TV, etc. away from the microwave oven as far as possible.
3. Use a properly installed antenna on your radio, TV, etc. to obtain stronger signal reception.

Allow Air Flow Around the Unit

Free air flow from the front and the back of the unit is a must. The air flows around the electronic components. At least one inch must be left between the air discharge on the back of the unit and a back wall. If air flow is restricted, the unit will not operate properly and the life of electrical parts is shortened. The projection on the back of the unit automatically ensures the one inch spacing.

Do Not Operate the Unit When Empty
Whenever you operate the oven be sure that you have absorbing material (food, water) in it. Insufficient or improper food loads or improper containers (metal) may cause the magnetron to overheat. When this happens, a thermal switch will eventually turn the oven off so the magnetron can cool. Several minutes will elapse before the switch resets and allows the oven to operate.

Do Not Put Excessive Weight on the Door
The door is not designed to hold excessive weight which might cause the door to become misaligned and result in improper operation.

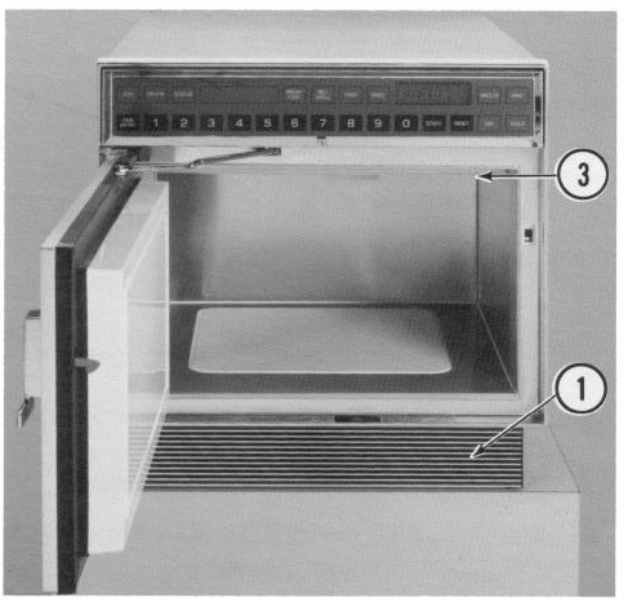
⚠ CAUTION - To Avoid Electrical Shock Do Not Remove The Outer Case At Any Time

The outer case should not be removed at any time, except by an authorized servicer. If it is removed by another person, the warranty is voided.

PARTS IDENTIFICATION/FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY.	FUNCTION
1	C8708502	Air Inlet Grill	1	Cover and protect air filter.
2*	B5714801	Air Inlet Filter	1	Keeps internal parts clean and prevents thermal failure.
3	D7457101	Splatter Shield	1	Prevents food from soiling the waveguide and oven top.
4	—	Menu Guide	1	Holds the menu card for the different day part settings.
5	—	Control Panel	1	Used to enter the menu selection and item quantity.

*Not Shown



EQUIPMENT SET-UP AND CLOSE PROCEDURES

Open

1. Make certain that all units are plugged into their proper outlet.
2. Open and close the door to the unit. A blower fan should start and the control panel will display which menu category the unit is currently set for. If the menu category is NOT indicating "BREAK" for breakfast, enter that information by pressing the pad labeled BREAKFAST. "BREAK" will then be displayed and the word "ITEM" will be flashing. The unit will stay in the breakfast menu category until it is changed during transition.

Transition

1. At transition, be certain to change the menu category to regular menu by pressing the REG MENU pad. This should be done for all units. The units will remain in this category until they are changed again at close.

Close

1. With a clean, sanitized towel dipped in **McD Sanitizer (HCS)**, thoroughly wipe the inside walls, floor, door and splatter shield at the top of the oven.

   Be sure to properly "wring" sponge or cloth to remove excess water before wiping the unit. Water pressure type cleaning systems should not be used to clean the oven interior or exterior.

   If the splatter shield has areas that require more cleaning, it can be removed following the procedure as outlined on page 11.

   If stubborn splatters exist on the walls, a cup of tap water can be boiled in the oven for 1-2 minutes. Use your Amana wattage beaker for this procedure. The steam from the boiling water will help loosen splatters.

CAUTION: Do not use abrasive cleaners or cleaners containing ammonia. They might damage the finish. Never pour water into the bottom of the oven.

2. Wipe exterior with clean, sanitized towel soaked in **McD Sanitizer (HCS)**. Allow to air dry.
3. Close door after cleaning, and press BREAKFAST pad so unit is ready for Open.

OPERATING PROCEDURES

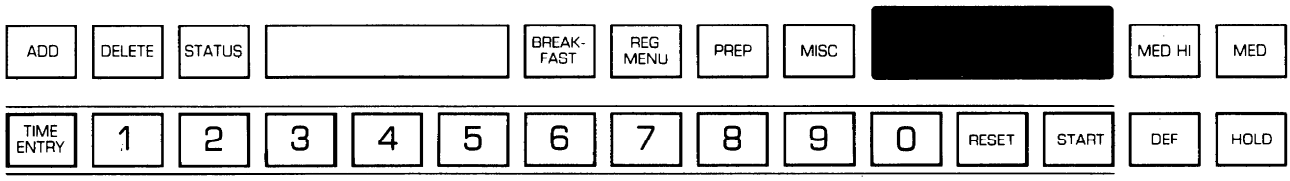
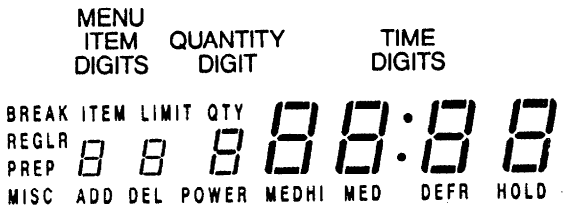


Figure 2

The Control Panel

1. **TIME ENTRY** — Used to temporarily suspend the preset Q-ing functions. Press after placing the food in the oven and closing the door.
2. A. **NUMBERS** —
   Used to select the item and quantity of the food to be Q-ed for preprogrammed operation.
   B. Used for entering time for variable time Q-ing.
3. **RESET** — If the oven is not operating, press the RESET pad once to cancel mistakes. If the oven is operating, press RESET once to stop the oven. Press RESET again to cancel mistakes.
4. **START** — Starts oven operation.
5. **DEF** — Operates oven at 20% power.
6. **HOLD** — Operates the oven with no power.
7. **MED** — Operates oven at 50% power.
8. **MED HI** — Operates oven at 70% power.
9. **BREAKFAST, REG MENU, PREP & MISC** — Each of these pads may have specific menu items programmed for Q-ing.
10. **ADD, DELETE and STATUS** — These pads are used for programming only. See separate programming instructions starting on page 11.

Readout Display



1. **"BREAK", "REGLR", "PREP" & "MISC"** — Indicates which menu has been selected. Only one menu indicator will be lit at one time.
2. **"ITEM"** — Prompts you to enter a menu item by pressing the two digit code. It will be continuously lit during Q-ing.
3. **"QTY"** — Prompts you to enter the quantity of items to be Q-ed. It will be continuously lit during Q-ing.
4. **"LIMIT"** — Indicates the maximum number of items that can be Q-ed at one time.
5. **"POWER"** — Indicates oven is generating microwave energy.
6. **"MEDHI"** — Indicates Medium High cycle has been selected.
7. **"MED"** — Indicates Medium cycle has been selected.
8. **"DEFR"** — Indicates Defrost cycle has been selected.
9. **"HOLD"** — Indicates Hold Cycle has been selected.
10. **TIME DIGITS** — Used to display programmed Q-ing time and countdown time.
11. **QUANTITY DIGITS** — Indicates the maximum quantity of items that can be Q-ed at one time. It will also display the quantity selected for Q-ing.
12. **MENU ITEM DIGITS** — Indicates which menu item (01-99) has been chosen. Two digits must be entered for each menu item.
13. **"ADD"** — Indicates the menu item number or quantity entered is not in the oven memory.
14. **"DEL"** — Lit in programming mode, to indicate a menu item number or quantity is being deleted from the oven memory.

The control features up to 99 programmed menu items. Each of these items may be Q-ed in multiple quantities from 1 to 9. Each of the programs associated with these quantities can be programmed to have up to 4 stages of Q-ing.

All of these programmed times and power levels can be easily changed by management personnel to fit specific menu requirements.

These instructions are written for ovens that operate as programmed at the factory. Ovens that have been reprogrammed at the work site may not respond exactly as described.

After the oven has been plugged in, dash lines will appear in the display and the "MISC" menu indicator will appear in the display. Once the door is opened, the blower will begin to operate. This indicates that the oven is ready for operation.

NOTE: If the oven experiences a power surge or is unplugged, then plugged in, within 5 seconds, the oven will enter the ready mode. The word "ITEM" will appear in the display and the blower will operate. If the oven is Q-ing during this surge, the remaining Q-ing time will be displayed.

NOTE: If at any time "F2" is displayed, unplug the oven and call your nearest authorized service agency.

To Operate the Preset Q-ing Programs:

A. Place food in the oven and close the door. The word "ITEM" will begin to flash.

B. Check the display to see which menu indicator is lit. To change the menu, press the desired menu pad (BREAKFAST, REG MENU, PREP or MISC).

C. Press two number pads for the menu item to be Q-ed. For example, if menu item number 3 is selected, press 0, and 3. (See menu card in slot attached to the outside of the oven for specific menu items.) The word "ITEM" will now be continuously lit in the display. "QTY", "LIMIT" and a number in the quantity digit will flash. This is the maximum quantity of items that can be programmed to Q in the oven at one time.

If a mistake is made in entering the item or quantity digits, press RESET or a menu pad to start over.

D. Press a number pad for the desired quantity of items to be Q-ed and the oven will operate. This quantity can **not** be greater than the number that is flashing. The total heating time will be displayed and begin counting down.

NOTE: If the unit is started within 3-1/2 seconds after the blower starts, you may notice a delay in the start of the oven and in the start of the countdown timing.

NOTE: If an F2 is displayed instead of the Q-ing time, then press reset and call the nearest authorized service agency for prompt service.

E. When the timing sequence is finished, the oven will stop and sound a continuous tone until either the door is opened or "RESET" is pressed. The menu indicator will be displayed and "ITEM" will flash for 15 seconds.

F. If the door is opened or "RESET" is pressed while the oven is operating, microwave energey will cease, but the countdown time will remain in the display. The blower will continue to operate. Close the door and press "START" to continue oven operation and the countdown timing.

NOTE: Resume operation within 15 seconds or the oven will be deactivated. Only the menu indicator ("BREAK", "REGLR", "PREP", or "MISC") will appear in the display. The blower will cease to operate. The unit will operate only after the door is opened, then closed, and the appropriate pads are pressed.

G. If "RESET" is pressed twice while the oven is operating, the oven will stop, countdown time will disappear, only the menu indicator will be displayed and "ITEM" will flash for 15 seconds.

To Operate Variable Time Entry Using Full Power

A. Place food in the oven and close the door. The menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. The "ITEM" indicator will begin to flash.

B. Press TIME ENTRY to temporarily suspend the preset functions of number pads. Four zeros will be displayed. The menu and "ITEM" indicators will no longer be displayed.

C. Press numbers of heating time (to heat 5 minutes and 10 seconds, press 5, 1, 0). The display will show the time you have set. If you make a mistake press TIME ENTRY again, then enter the desired time.

D. Press START and the oven will operate. The heating time will count down and "POWER" will be displayed, indicating that microwave power is being generated.

E. When the timing sequence is finished, the oven will stop and sound a continuous tone until either the door is opened or "RESET" is pressed. The menu indicator will be displayed and "ITEM" will flash for 15 seconds.

To Operate Variable Time Entry Using Power Levels

Your Amana Commercial Radarange microwave oven features five power levels. The oven will operate at full power unless you program it otherwise. You may program the oven to heat at medium-high (70% power), medium (50% power), defrost (20% power), or hold (0% power).

A. Place food in the oven and close the door. The menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. The "ITEM" indicator will begin to flash.

B. Press TIME ENTRY to temporarily suspend the preset functions of the number pads. Four zeros will be displayed. The menu and "ITEM" indicators will no longer be displayed.

C. Press numbers for heating time (to Q 1 minutes 15 seconds, press 1, 1, 5). The display will show the time you have set. If you make a mistake, press TIME ENTRY again, then enter the desired time.

D. Press appropriate power level (to heat on medium high press MED HI pad, which is 70% of full power.) The word "MED HI" will appear in the display.

E. Press START and the oven will operate. The heating time will count down. The display will show "POWER" and the selected power level (for example, "MED HI" for Medium High). The magnetron tube cycles on and off to achieve the lower power level, so "POWER" flashes on and off accordingly.

F. When the timing sequence is finished, the oven will stop and sound a continuous tone until either the door is opened or "RESET" is pressed. The menu indicator will be displayed and "ITEM" will flash for 15 seconds.

TROUBLESHOOTING CHART

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Unit does not come on.	Power cord not plugged in.	Plug in power cord.
	Circuit breaker tripped.	Reset breaker.
	Units internal fuse blown.	Call authorized service personnel.
Circuit breaker keeps tripping.	Internal problem.	Is the unit on a dedicated circuit? Call authorized service personnel.
Pad pressed, oven will not Q, blower runs.	Door not fully closed.	Close door again, retry.
	Incorrect Q cycle.	Retry Q-ing cycle.
	Interlock defective.	Call authorized service personnel.
Oven timer reading incorrect (wrong).	Control not programmed properly.	Reprogram control.
Q-s unevenly.	Dirty oven.	Clean oven cavity and splatter shield.
	Food not positioned properly.	Place food in center of oven.
	Stirrer not turning.	Call authorized service personnel.
Oven not heating "normally".	Inside of oven dirty.	Clean as needed.
	Voltage selector plug incorrect.	Check voltage at outlet, set plug correctly.
	Low supply voltage.	Call electrician.
	Seal on oven tray broken.	Call authorized service personnel.
	Interlocks out of adjustment.	Call authorized service personnel.
	Heating procedure incorrect.	Check time.
	Wattage output too low.	Perform wattage output test.
	Inlet arm obstructed.	Clean filter and grill.
	Discharge area obstructed.	Clear obstruction.
	Unit operated with metal utensils.	Remove metal.

ORDERING/SERVICE INFORMATION

Call the nearest authorized service agency. Consult either the dealer from whom you purchased the oven or the Yellow Pages for the nearest authorized service center. Help them give you prompt service by providing:

1. An accurate description of the trouble.
2. Complete model, serial and manufacturing numbers.
3. Date of installation. We also suggest you retain your sales receipt or other proof of purchase in case warranty questions arise.

Remember, repair by an unauthorized service person that results in subsequent failure will void the warranty promise.

Be sure you have read and followed all instructions. Avoid unnecessary service calls for difficulties that are not the result of defective workmanship or materials. You will be charged for a servicer's travel expenses and labor, even though the product may be in warranty, if the difficulty is not caused by workmanship or materials, or if that component is considered customer-replaceable.

Your oven should never be operated without a food load or without the oven floor in position. If for any reason the oven floor becomes broken, DO NOT OPERATE THE OVEN UNTIL THE OVEN FLOOR HAS BEEN REPLACED AND SEALED IN POSITION.

Amana has a large network of Authorized Service Centers in the U.S. However, if you should have a service problem that is not resolved locally, write:
Customer Relations Department
Amana Refrigeration, Inc.
Amana, Iowa 52204
or dial
(319) 622-5511
and ask for
Customer Relations
Monday through Friday
(8:00 a.m. - 4:30 p.m.
Central Time Zone.)

For questions concerning product usage, installation or warranty, call:

CONSUMER INFORMATION LINE
AMANA TOLL FREE
1-800-843-0304

Record in the space below the Model No., Manufacturing (Mfg.) No., and Serial No. recorded on the nameplate of your oven.

Model No. _____

Mfg. No. _____

Serial No. _____

Date Installed _____

Selling Dealer _____

Retain these numbers and your Sales Receipt for proof of purchase should warranty questions arise. Your Sales Receipt is required should warranty service be needed. Complete the registration card, which is included with the packet that comes with the oven. This must be filled out and returned to Amana Refrigeration, Inc., Amana, Iowa 52204. Federal regulations require that all manufacturers of microwave ovens have a permanent record of owners of each oven.

NON-SCHEDULED MAINTENANCE

Installing Stacking Brackets

Two stacking brackets are used to secure the placement of one oven on top of the other. One bracket is packaged with each oven. The brackets are secured to the ovens by using 4 screws already in the ovens. DO NOT REMOVE ANY OTHER SCREWS.

1. Place one oven on top of the other. The brackets are placed on the back of the ovens so be sure there is adequate access to this area.
2. Remove the 2 screws on the back of the top oven located near each bottom corner.
3. Remove the 2 screws on the back of the bottom oven located near each top corner.
4. Line up the bracket holes with the oven holes and replace screws. (See Figure 3)

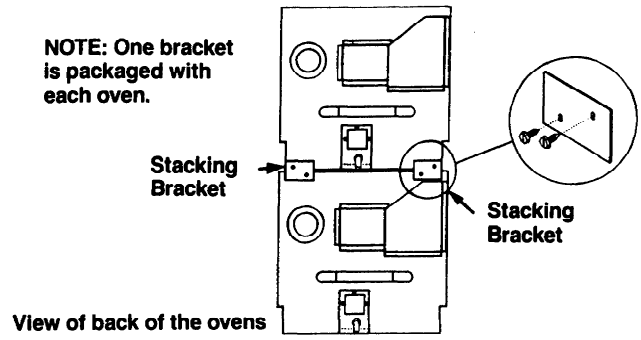

NOTE: One bracket is packaged with each oven.
Stacking Bracket
Stacking Bracket
View of back of the ovens
Do not stack ovens more than two high

Figure 3

SPLATTER SHIELD REMOVAL

1. Open door.
2. Lift the right rear corner of the shield until it clears the mounting stud and pull the shield forward.
3. Pull shield downward and backward until front edge of shield clears forward mounting studs.

SPLATTER SHIELD INSTALLATION

1. Insert shield in oven with duct portion to bottom rear of oven. Lift leading edge of shield to top of oven, leading edge of shield to approach forward mounting stud from the rear. (See Figure 4)

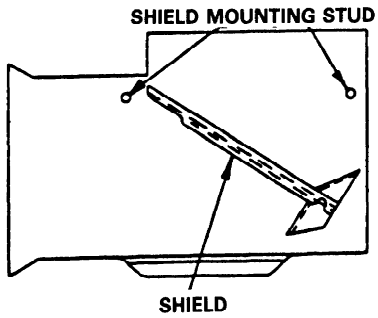


Figure 4

2. Lift the shield upward and forward until the shield clears the rear mounting studs. (See Figure 5)

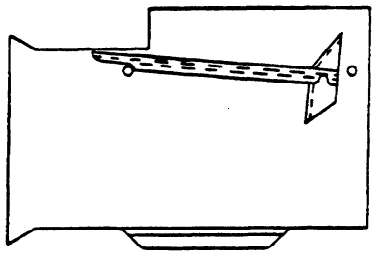


Figure 5

3. Hold the left (your left) side of the shield above the stud on that side. Bow the rear right (your right) corner of the shield up until its bottom edge is above the stud. While holding shield up, push the shield to the back of the oven, being careful to clear the mounting studs on the back wall of the oven. (See Figure 6)

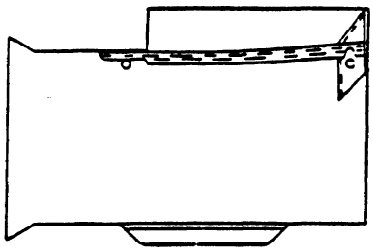


Figure 6

WARNING: DO NOT OPERATE THE OVEN WITHOUT THE SPLATTER SHIELD.

PROGRAMMING FUNCTIONS

Every Q-ing program can be modified to Q at the desired time and power level for each of the 4 available stages. The oven will operate at full power unless it is programmed otherwise. You may program the oven to heat at medium high (70% power), medium (50% power), defrost (20% power) or hold (0% power). The hold feature can be used in between heating times to let food rest without generating microwave energy to the oven cavity (For example, you may design a program to defrost for 2:10, hold for 5:00 and then heat on full power for 1:15).

How to Change Preset Single Timing Programs

1. Press RESET to clear the display and open the oven door. A menu indicator ("BREAK", "REGLR", "PREP", or "MISC") will be displayed. Note: If the door is closed or RESET is pressed before you have finished the programming sequence the oven will leave the programming mode.
2. Press and hold pad number 1 for 15 seconds. After 15 seconds a beep will sound and a "P" will be displayed.
3. Press the desired menu pad BREAKFAST, REG MENU, PREP or MISC. The appropriate menu indicator will be displayed.
4. Press the two digit menu item number (01-99) that you would like to change. If the item and quantity are programmed in the oven memory, "ITEM" will be displayed. "LIMIT", "QTY", and a number (1-9), representing the maximum quantity of items that can be Q-ed at one time, will flash.

   NOTE: If you make a mistake or if a menu item is entered that is not programmed in the oven memory, press menu pad BREAKFAST, REG MENU, PREP or MISC to return to a "P" in the display. To add a menu item see section in these instructions on adding a menu item.

   NOTE: If at any time "F2" is displayed, unplug the oven and call your nearest authorized service agency.
5. Enter the quantity (1-9) that you want to change. The current heating time "QTY" and the quantity number will be displayed.
6. Press the number pads to change to the new heating time. The new heating time will appear.

7. To preset at a power level other than full power press the appropriate power level pad (For example, to heat on medium, press the medium pad). The word "MED" will appear in the display.
8. Press START to lock the new heating time in the oven memory. "P" will be displayed.
9. To preset additional menu items return to Step 4.
10. To exit the programming mode, press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash in the display.

Summary of Single Timing Program

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the desired menu pad.
4. Enter the desired item number and quantity to be changed.
5. Enter new heating time.
6. Press appropriate Power Level.
7. Press START.
8. Press RESET or close oven door.

How to Change Preset Multiple Timing Programs

Each quantity of every menu item can be programmed to perform 4 heating operations.

NOTE: The control will not allow a *total* Q-ing time for all stages of greater than 99 min. and 99 secs. to be programmed. While programming a given item and quantity, you will be unable to save a programmed time or advance to another program level if the total time exceeds 99:99.

1. Follows Steps 1 through 5 of "How to Change Preset Single Timing Programs."
2. To preset the heating time for Program 1, press the number pads. The new heating time will appear in the display.
3. Press the appropriate power level pad to heat at a lower power level or to hold. For example, to heat on medium high, press the MED HI pad. The word "MED HI" will appear in the display.
4. Press TIME ENTRY to advance to Program 2. "P2" will be displayed for a second then the current heating time will be displayed.
5. Enter instructions for Program 2 as you did in Steps 2 and 3. (If you use only two programs, go to Step 8 and check the programs and press START.)
6. Press TIME ENTRY to advance to Program 3. "P3" will be displayed for a second then the current heating time will be displayed. Enter instructions as you did in Steps 2 and 3. (If you use only 3 programs, go to Step 8 and check the programs, then press START.)
7. Press TIME ENTRY to advance to Program 4. "P4" will be displayed for a second then the current heating time will be displayed. Enter instructions as you did in Steps 2 and 3.
8. To check oven programs, press TIME ENTRY until "P1" flashes briefly in the display. The readout will then display what is programmed for Program 1. Press TIME ENTRY again to review Program 2 instructions. Repeat for Programs 3 and 4, if used.
9. Press START to lock the program into the oven memory. "P" will be displayed in the readout.
10. Repeat the above procedure for other menu items and quantities you wish to preset.
11. To exit the programming mode press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash in the display.

Summary of Multiple Timing Programs

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the desired menu pad.
4. Enter the desired item number and quantity to be changed.
5. Enter new heating time and power level (if applicable) for Program 1.
6. Press TIME ENTRY.
7. Enter instructions for Program 2.
8. Press TIME ENTRY.
9. Enter instructions for Program 3.
10. Press TIME ENTRY.
11. Enter instructions for Program 4.
12. Press TIME ENTRY to advance to Program 1. Continue to press TIME ENTRY to check oven programs.
13. Press START to lock in program to oven memory.
14. Press RESET or close oven door.

To Review Preprogrammed Heating Times

This feature allows you to review programs you have put into the oven memory. If you find a mistake or wish to reprogram a pad see the section on "How to Change Preset Multiple Timing Programs."

1. Press RESET to clear the display and open the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed.
2. Press TIME ENTRY for 15 seconds. After 15 seconds, a beep will sound and a "P" will be displayed.
3. Enter the menu, menu item number and quantity you want to review. The menu item, quantity, heating time, and power level chosen for Program 1 will be displayed.

NOTE: If at any time "F2" is displayed, unplug the oven and call your nearest authorized service agency.

4. Press TIME ENTRY to continue to review Programs 2, 3 and 4. "P2", "P3" or "P4" (depending upon which program you are reviewing), will be displayed for a second, then the current programmed heating time and power level will be displayed.
5. Press START. A "P" will be displayed.
6. To review additional menu item programs return to Step 3.
7. To exit after reviewing programs press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash in the display.

How to Change the Seven Optional Programs

1. Press RESET to clear the display and open the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed.
2. Press pad number 1 for 15 seconds. After 15 seconds, a beep will sound and a "P" will be displayed.
3. Press the hidden disable/enable pad located to the left of the BREAKFAST PAD and directly above the number 5 pad.

   If the oven is being used for the first time "OP:10" will be displayed. "OP" tells you that you are in the optional program mode.

   The first number represents the option number. The second number represents the function currently selected for the option. (See Figure 7)

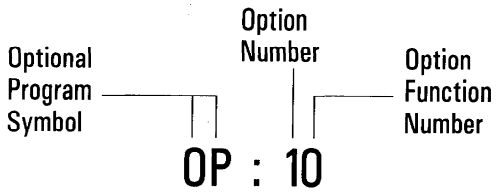


Figure 7

(In this example, Option 1 is factory set for function number 0, which does not allow heating times to be changed while the oven is operating.)

4. To change a factory-set option, press the pad that corresponds with the function you want. See the chart on page 14 for an explanation of function options for each option number. (In this example, if you wish to allow the heating time to be changed while the oven is operating, press number 1; "OP:11" will now be displayed.)
5. Press START to lock this function into the oven memory. "OP:20", "OP:21", or "OP:22" will be displayed. You are now ready to change the optional program for Option 2, if desired.
6. Advance to any optional program by pressing START.
7. To change additional optional programs return to Step 4 and 5.
8. To exit the optional program mode press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash in the display.

Summary of Changing Optional Programs

1. Press RESET and open oven door.
2. Press pad 1 for 15 seconds.
3. Press the hidden disable/enable pad.
4. Change the option function (if desired).
5. Press START to lock function into the oven memory.
6. Press START to advance to any optional program.
7. Press RESET or close oven door.

Write Optional Programs Here

Use this chart to record the optional programs for your oven. The optional functions column gives a detailed explanation of each function. Remember to press START to advance to the next Pad Number.

OPTION NUMBER	CURRENT SELECTION	PRESS PAD	OPTIONAL FUNCTIONS
1		0* or 1	Prevents Q-ing times from being changed while oven is operating. Allows Q-ing time to be changed while oven is operating.
2		0 or 1 or 2*	Sounds a single 3 second beep at the end of heating time. Sounds 4 short signals at end of heating time. Sounds a continuous tone at the end of heating time until door is opened or RESET is pressed.
3		0 or 1*	Prevents a beep signal from sounding when a pad is pressed. Allows a beep signal to sound when a pad is pressed.
4		0* or 1	Resumes countdown time if oven door is opened, then closed, and START is pressed. Cancels countdown time when oven door is opened.
5		0 or 1 or 2 or 3*	Eliminates end-of-cycle signal. Sets end-of-cycle signal volume to SOFT. Sets end-of-cycle signal volume to MEDIUM. Sets end-of-cycle signal volume to LOUD.
6		0* or 1	Prevents changing Power Levels while oven is operating. Allows Power Levels to be changed during operation.
7		0 or 1*	Allows the auto-menu option to be programmed. Prevents the auto-menu option from being programmed.

*As shipped from the factory.

How to Add a Menu Item

A total of 99 menu items can be programmed in the 4 menus — BREAKFAST, REG MENU, PREP or MISC.

All 99 may be assigned to 1 menu category or they may be divided between the menu categories. For example, if 33 items are programmed to each of the 3 menus, regular, prep and misc., then no items could be programmed in the breakfast menu category.

1. Follow Steps 1 and 2 of "How to Change Preset Single Timing Programs."
2. Press the desired menu pad, BREAKFAST, REG MENU, PREP or MISC.
3. Press ADD. "ADD" will be displayed. "ITEM" will flash in the display.

NOTE: If four dashes "----" appear in the time digits, then 99 items are already programmed. No more can be added but they can be changed. To change a program, press a menu pad. A "P" will appear in the display. Refer to the sections in these instructions on "How to Change Single or Multiple Timing Programs."

4. Enter the two digit menu item number you would like to add. "LIMIT", "QTY", and a number (1-9), representing the maximum quantity of items that can be Q-ed at one time, will flash.

NOTE: If you make a mistake, press menu pad BREAKFAST, REG MENU, PREP or MISC to return to a "P" in the display, then go to Step 2.

5. Enter the quantity (1-9) of items you wish to Q at one time.

NOTE: If this menu item has already been programmed and a quantity limit has been set that is less than 9, and a number is entered that is greater than the quantity limit, the quantity number entered will not be accepted. An error tone will sound.

6. If the menu item has already been programmed, the current program time and power level will appear. The new time and power level can now be changed.
7. If the item has not yet been programmed a zero will appear in the time digits. Enter the heating time. Press a power level pad if reduced power Q-ing is desired.
8. If more Q-ing stages are desired, press TIME ENTRY to advance to the next Q-ing stage. Up to 4 stages are available. See the section on "How to Change Preset Multiple Timing Programs," starting at Step 4.
9. Press START to lock the new item number into the oven memory. "P" and menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed.
10. Repeat the above procedure for other quantities that you would like to add under this same menu item. Or, repeat this procedure to add different menu items and quantities.
11. To exit the programming mode, press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC" will be displayed "ITEM" will flash for 15 seconds.

Summary of Adding a Menu Item

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the desired menu pad.
4. Press ADD.
5. Enter desired item number and quantity to be added.
6. Press new heating time and power level (if applicable) for Program 1.
7. If using Program 2, 3, and 4, enter instructions for each and Press TIME ENTRY after entering each instruction.
8. Press START to lock new item number and quantity into the oven memory.
9. Press RESET or close the oven door.

How to Delete a Menu Item

Any menu item can be deleted.

1. Follow Steps 1 and 2 of "How to Change Preset Single Timing Programs."
2. Press the desired menu pad BREAKFAST, REG MENU, PREP or MISC.
3. To delete a menu item, press DELETE. "DEL" will be displayed. "ITEM" will flash in the display, prompting you to enter the menu item number.
4. Enter the two digit menu item number to be deleted. "ITEM" will be lit continuously. "DEL" will begin to flash, prompting you to press the delete pad.

NOTE: If the menu item required is not programmed in the oven memory, an error tone will sound and a "P" will appear in the display.

5. Press DELETE to erase all of the menu item quantities from the oven memory. A "P" and the menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed.
6. Repeat the above procedure to delete other menu items from the oven memory.
7. To exit the programming mode, press RESET or close the oven door. A menu indicator ("BREAK", "REGLR', "PREP" or "MISC") will be displayed. "ITEM" will flash or 15 seconds.

Summary of Deleting a Menu Item

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the desired menu pad.
4. Press DELETE.
5. Enter desired menu item number to be deleted.
6. Press DELETE.
7. Press RESET or close the oven door.

How to Change the Quantity Limit

1. Follow Steps 1 and 2 of "How to Change Preset Single Timing Programs."
2. Press the desired menu pad BREAKFAST, REG MENU, PREP or MISC.
3. Enter the 2 digit menu item number: "ITEM" will be displayed "QTY", "LIMIT", and the quantity limit number will be flashing.
4. Press the hidden disable/enable pad located to the left of the BREAKFAST pad and directly above pad 5. "QTY", "LIMIT" and the quantity limit number will stop flashing.
5. Press a number 1-9 that you would like to be the new quantity limit.
6. Press START to lock the new quantity limit into the oven memory. A "P" and a menu indicator ("BREAK", "REGLR", "PREP", or "MISC") will be displayed.

7. Repeat the above procedure for other quantity limits you would like to change.
8. To exit this programming mode, press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash for 15 seconds.

Summary of Changing a Quantity Limit

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the desired menu pad.
4. Enter the desired menu item number.
5. Press the hidden disable/enable pad.
6. Enter the new quantity limit.
7. Press START to lock in new quantity limit.
8. Press RESET or close the oven door.

The Auto-Menu Option

There are many establishments today which offer certain menu items at only certain times of the day. The breakfast menu may change at 10:30 a.m. to the lunch menu. The auto-menu feature, when programmed, will activate the new menu at whatever time you set. All of the menus can be programmed to change at any time of day.

Menu items from any menu can still be used, but at the end of that Q-ing time the activated auto-menu will automatically return, as though that menu pad were pressed.

If a Q-ing program is running when the menu is set to be changed, the menu will not change until the completion of the current Q-ing program.

How to Set the 24 Hour Clock

There is an internal clock which must be set each time the oven is plugged in or after a power outage to insure that the menu change occurs at the right time of day. The Auto-menu functioning will not be operational until this clock is set.

NOTE: The auto-menu option must be enabled before the clock can be set. See the section in these instructions on "How to Change the Seven Optional Programs."

1. Follow Steps 1 and 2 of "How to Change Preset Single Timing Programs.
2. Press STATUS. Now the time stored in the oven memory is displayed.
3. To change the time, enter the new time in 24 hour format. For example, if the time is 3:45 p.m. then enter 1, 5, 4, 5 and 15:45 will be displayed.
4. Press STATUS again to save the new time and activate the auto-menu feature. A "P" will be displayed.
5. Press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash for 15 seconds.

Summary of Setting the 24 Hour Clock

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press STATUS.
4. Enter the time of day in 24 hour format.
5. Press STATUS.
6. Press RESET or close the oven door.

How to Automatically Activate or Deactivate a Menu

1. Follow Steps 1 and 2 of "How to Change Preset Single Timing Programs."
2. Press the hidden disable/enable pad. "OP:10" or "OP:11" will be displayed.
3. Press the menu pad BREAKFAST, REG MENU, PREP or MISC that you want automatically activated or deactivated.
4. If 24:00 is displayed, the auto-menu for this pad is deactivated. Enter the time of day you want this pad to be activated.
5. If the menu pad is activated and you want to deactivate it, enter 2, 4, 0, 0.
6. Press START to lock the instructions into the oven memory. "OP:10" or "OP:11" will be displayed.
7. Press RESET or close the oven door. A menu indicator ("BREAK", "REGLR", "PREP" or "MISC") will be displayed. "ITEM" will flash for 15 seconds.

Summary of Activating or Deactivating a Menu Pad

1. Open oven door.
2. Press pad 1 for 15 seconds.
3. Press the hidden disable/enable pad.
4. Press desired menu pad.
5. To activate, enter desired time of day.
6. To deactivate, enter 2, 4, 0, 0.
7. Press START.
8. Press RESET or close the oven door.